Mon Oct

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Title:
Perfect score:
                                                                                                     Run
                                                                                                                                      OM protein -
                                                                                                                                    protein search, using sw model
                  US-10-601-105-2
769
                                                                                                     October 17,
1 MGCPRMFPFALLYVLSVSFR.....KKRRKRKVTTNKCLEQVSQL 149
                                                                                                                                                                                        GenCore version 5.1.6 Compugen Ltd.
                                                                                                     2005, 12:13:25 ;
                                                                   ; Search time 115.62 Seconds (without alignments) 498.419 Million cell updates/sec
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Scoring table: Sequence: BLOSUM62

Gapop 10.0 , Gapext 0.5

2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 10% Maximum Match 10 Maximum Match 100% Listing first 45 summaries

Database

A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp1990m.* geneseqp1980s:*
geneseqp1990s:*
geneseqp2000s:*
geneseqp2001s:*
geneseqp2002s:* geneseqp2003as:*
geneseqp2003bs:*
geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

13 696.5 90.6 160 6 AAE37163 Ade37.453 14 689 89.6 159 6 AAE37162 Aae37158 15 677 88.0 159 6 AAE37159 Aae37159 16 675 87.8 155 6 AAE37159 Aae37159 17 670.5 87.2 154 6 AAE37161 Aae37161 18 669.5 87.1 154 6 AAE37160 Aae37161 18 669.5 87.1 154 6 AAE37160 Aae37161 20 652 84.8 149 3 AAY93962 Aae36440 21 574 74.6 131 7 AAE37154 Aae36440 22 214 27.8 140 6 AAE37154 Aae37162 23 183 23.8 36 4 ABB41950 Abb41950	696.5 90.6 160 6 AAE37152 689.8 9.6 159 6 AAE37152 677. 88.0 159 6 AAE37158 670.5 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 84.8 149 5 AAE3640 574 74.6 131 7 ADF29186 214 27.8 136 6 AAE37154 183 23.8 36 4 AB841950	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37158 677 88.0 159 6 AAE37158 675 87.8 155 6 AAE37159 670.5 87.1 154 6 AAE37160 669.5 87.1 154 6 AAE37160 652 84.8 149 3 AAY93962 652 84.8 149 5 AAE3640 574 74.6 131 7 ADF29186 574 27.8 140 6 AAE37154	696.5 90.6 160 6 AAE37152 689.8 9.6 159.6 AAE37152 677. 98.0 159.6 AAE37158 677. 87.8 155.6 AAE37159 670.5 87.2 154.6 AAE37161 669.5 87.1 154.6 AAE37160 652. 84.8 149.5 AAE3640 574. 74.6 131.7 ADF29186	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37158 675 87.8 155 6 AAE37159 670.5 87.1 154 6 AAE37160 669.5 87.1 154 6 AAE37160 652 84.8 149 3 AAY93962 652 84.6 149 3 AAY93962 652 84.6 131 7 ADE26440	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37158 675 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37160 669.5 87.1 154 6 AAE37160 652 84.8 149 3 AAY93962 652 84.8 149 3 AAY93962	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37159 675 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 84.8 149 3 AAY93992 652 84.8 149 5 AAE26440	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37159 675 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 84.8 149 3 AAY93962 652 84.8 149 5 AAE26440	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37159 675 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 84.8 149 3 AAY93962 652 84.8 149 5 AAE26440	696.5 90.6 160 6 AAE37162 689 89.6 159 6 AAE37152 677 88.0 159 6 AAE37158 677.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 87.1 154 6 AAE37160 652 84.8 149 3 AAE37160	696.5 90.6 160 6 AAE37162 689 89.6 159 6 AAE37152 677 88.0 159 6 AAE37158 677.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 87.1 154 6 AAE37160 652 84.8 149 3 AAE37160	696.5 90.6 160 6 AAE37162 689 89.6 159 6 AAE37152 677 88.0 159 6 AAE37158 677.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 87.1 154 6 AAE37160 652 84.8 149 3 AAE37160	696.5 90.6 160 6 AAE37162 689 89.6 159 6 AAE37152 677 88.0 159 6 AAE37158 677.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 87.1 154 6 AAE37160 652 84.8 149 3 AAE37160	696.5 90.6 160 6 AAE37162 689 89.6 159 6 AAE37152 677 88.0 159 6 AAE37158 677.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 87.1 154 6 AAE37160 652 84.8 149 3 AAE37160	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37158 677 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160 652 84.8 149 3 AAE39362 653 84.8 149 3 AAE39362	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37158 675 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37160 669.5 87.1 154 6 AAE37160 652 84.8 149 3 AAY93962	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE3718 675 87.8 155 6 AAE37161 670.5 87.2 154 6 AAE37160 669.5 87.1 154 6 AAE37160 669.5 87.1 154 6 AAE37160	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37158 675 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161 669.5 87.1 154 6 AAE37160	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37158 675 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37160 669.5 87.1 154 6 AAE37160	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37158 677 88.0 159 6 AAE37158 675 87.8 155 6 AAE37159 670.5 87.2 154 6 AAE37161	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 98.0 159 6 AAE37159 675 87.8 155 6 AAE37169	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37158 675 87.8 155 6 AAE37159	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37158	696.5 90.6 160 6 AAE37163 689 89.6 159 6 AAE37162 677 88.0 159 6 AAE37158	696.5 90.6 160 6 AAB37163 689 89.6 159 6 AAB37162	696.5 90.6 160 6 AAE37163	696.5 90.6 160 6 AAB3/163			707 91.9 159 8 ADO50320	TO UTION TOO TO SECURITION SECURITION TO SECURITION	707 91 9 159 7 ADG43811	707 91.9 159 7 ADF29182	707 91.9 159 / ADDOSSS		707 91.9 159 6 AAE37155	707 91.9 159 5 ABP72263	707 91.9 159 3 AAXBB415	707 91.9 159 3 AAY97365	739 96.1 164 5 ABP64806	.2 149 3 AAY88414	HALL CONTRACTOR	769 100 0 149 8 ADOS0318	1 769 100.0 149 / ADDUSSSI Adduss		בפונעריי מט דמ	DOCKO MATTER TORONTO ID	Regult Ouerv	
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75.5	75.5	76	76.5	77.5	77.5	77.5	77.5	77.5	77.5	81.5	83	83	83	125.5	125.5	183	183	183	183
9.8	9.8	9.9	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.6	10.8	10.8	10.8	16.3	16.3	23.8	23.8	23.8	23.8
316	284	447	367	1681	1544	1544	1544	1038	310	674	912	907	828	123	123	36	36	36	36
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AAG27921	AAG27922	ADS21960	ADK16583	ADQ19097	ADR99132	ABR47563	AAY41109	AAB94063	AAB92923	ADA35168	AAG36817	AAG36818	AAG36819	AAE26441	AAY93964	ABG45148	ABG57383	AAM62827	AAM75641
Aag27921	Aag27922	Ads21960	Adk16583	Adq19097	Adr99132	Abr47563	Aay41109	Aab94063	Aab92923	Ada35168	Aag36817	Aag36818	Aag36819	Aae26441	Aay93964	Abg45148	Abg57383	Aam62827	Aam75641
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ALIGNMENTS

Human; interleukin-B50; IL-B50; immune disorder; T cell immunodeficiency; chronic inflammation; tissue rejection; cardiovascular condition; neurophysiological condition; antiinflammatory; immunosuppressive; immunostimulant; cardiant; neuroprotective. US2003099947-A1. Misc-difference Homo sapiens. Human interleukin-B50 (IL-B50) polypeptide #1. 01-JAN-2004 (first entry) ADD05351; ADD05351 standard; protein; 149 Location/Qualifiers /note= "Encoded by CGN" ₽

29-MAY-2003.

25-SEP-2001; 2001US-00963347.

21-APR-1999; 99US-013139BP. 20-SEP-1999; 99US-00392492.

(BAZA/) BAZAN J F. (MALE/) DE WAAL MALEFYT R. (LIUY/) LIU Y. (SOUM/) SOUMELIS V.

Bazan JF, De Waal Malefyt R, Liu Y, Soumelie V;

WPI; 2003-777307/73. N-PSDB; ADD05350.

Novel isolated or recombinant polynucleotide encoding antigenic human interleukin-B50 sequence which is useful for treating T cell immunodeficiencies, chronic inflammation or tissue rejection, or cardiovascular conditions.

Claim 16; SEQ ID NO 2; 54pp; English.

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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to the human interleukin-B50 (IL-B50) polypeptide and the polynucleotide encoding it. The polypeptide is useful for making an antigenic polypeptide. The antigenic polypeptide is useful for binding an antigen complex. The polypeptide is also useful forms a binding compoundantigen complex. The polypeptide is also useful in forensic sciences to distinguish rodent from human, or as a marker for distinguishing between different cells exhibiting differential expression or modification patterns. The sequences are useful for treating abnormal medical conditions such as immune disorders e.g. T cell immunodeficiencies, chronic inflammation or tissue rejection, or cardimoundant or neurophysiological conditions. This sequence represents a human IL-B50 polypeptide of the invention.
WPI; 2004-374953/35
                                                                                  21-SEP-1998; 98US-0101318P.
27-SEP-1999; 99US-0131298P.
20-SEP-1999; 99US-00399492.
25-SEP-2001; 2001US-00963347.
                                                                                                                                                                                                                                                                                                                                                                                                   Cytokine; interleukin-B50; IL-B50; differentiation; haematopoietic cell; immune disorder; T cell immune deficiency; chronic inflammation; tissue rejection; cardiovascular; neurophysiological; antigen; immunogen
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human IL-850 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADO50318 standard;
                          Bazan JF,
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                                                                                                                                                                                                                                                          Misc-difference
                                                                                                                                                                                                                                                                                        Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-JUL-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADOS0318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 149 AA;
                                                                                                                                                         20-JUN-2003; 2003US-00601105
                                                                                                                                                                                                                  US2004091970-A1
                                                                                                                                                                                                                                                                                                                   Peptide
                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                         human.
                                                       (SCHE ) SCHERING CORP.
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                          De Waal Malefyt
                                                                                                                                                                                                                                                                                      Location/Qualifiers
1..33
/label= Signal_peptide
94..149
                                                                                                                                                                                                                                             /note= "Encoded by CGN"
                                                                                                                                                                                                                                                                   'label= Mature_IL-B50
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                          Liu Y,
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                             Soumelis
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Best Local Similarity 100
Matches 149; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (II-B50). The polynucleotide and polypeptide of the invention are useful for regulating activation, development, differentiation and function of various cell types, including haematopoietic cells, for treating abnormal medical conditions e.g., immune disorders such as T cell immune deficiencies, chronic inflammation, tissue rejection, cardiovascular or neurophysiological conditions. The polypeptide is useful as antigen e.g., immunogen, for raising antibodies to various epitopes on the protection, both linear and conformational epitopes. The present sequence is human II.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; interleukin-B50; IL-B50; cytokine; haematopoietic cell; inflammation; autoimmune disorder; forensic science.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-JUL-2000
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B50 useful for producing an antigenic polypeptide, for treating T cell
immune deficiencies, chronic inflammation, tissue rejection or
cardiovascular conditions.
                                                         21-SEP-1998;
27-APR-1999;
                                                                                                                                               20-SEP-1999;
                                                                                                                                                                                                         30-MAR-2000
                                                                                                                                                                                                                                                                   WO200017362-A1.
                                                                                                                                                                                                                                                                                                                                                                                    Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                           Protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 149 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 16; SEQ ID NO 2; 55pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N-PSDB; ADO50317.
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                                                      98US-00157749.
99US-0131298P.
                                                                                                                                               99WO-US020871.
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/label= IL-B50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /label=_Signal_peptide
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                                                                                                                                                                                                                                                                                                                                                        /label= unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein; 149
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                                                                                                                                                                                                                                                                                                                          "Encoded
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(SCHE) SCHERING CORP

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RESULT 4
ABP6400
ID ABP6
XX ABP6
XX ABP6
XX ABP6
XX LHuma
XX Huma
XX Huma
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XW Fung
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CC sequence. II-B50 is a short chain cytokine and has significant structural CC and sequence similarity to II-7. It is likely that II-B50 has either a CC stimulatory or inhibitory effect on haematopoietic cells. The present CC sequence relates II-B50 nucleotide and amino acid sequences, an CC host cells containing the expression vector, and a method for the CC production of the antigenic polypeptide through the expression of the present CC nucleotide sequence. Nucleotide sequences encoding II-B50 may be useful CC in forensic science. II-B50 plays a role in the regulation or development CC it may affect vascular physiology or development, or neuronal effects. II CC it may affect vascular physiology or development, or neuronal effects. II casgents in the treatment of conditions also should be useful as CC reagents in the treatment of conditions associated with abnormal CC physiology or development including inflammatory conditions. They may correcting components, which may correlate with the success of contracting components, which may correlate with the success of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 148,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local :
                                                                   Human; expressed sequence tag; EST; haematopoietic disorder; central nervous system disease; viral infection; peripheral nervous system disease; non-healing wound; infectious disease; immune deficiency; immune disorder; bacterial infection; allergy; cancer; fungal infection; autoimmune disorder; coagulation disorder; nootropic; antiallergic; antiinflammatory; immunosuppressive; neuroprotective; cytostatic, haemostatic; virucide; antibacterial; fungicide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New human interleukin (IL)-B50 nucleic acid, useful in forensic science and for the production of IL-B50 which plays a role in the regulation of development of hematopoietic cells.
                                                                                                                                                                                                                                                                                            ABP64806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 149 AA;
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                                                                                                                                                                                                                   Human protein SEQ ID
                                                                                                                                                                                                                                                                                                                                ABP64806 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    particular treatment strategies
                                                      mmunostimulant; cerebroprotective
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             TQINATQAMKKRRKRKVTTNKCLEQVSQL 149
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                                                                                                                                                                                                                                                       (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    represents a human interleukin-B50
                                                                                                                                                                                                                                                                                                                              protein;
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Pred. No. 1e-79;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 3;
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                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to novel human coding sequences (ABQ99268-CC ABQ99608) and proteins (ABP64682-ABP65022). The sequences are useful in the field of molecular biology as hybridisation probes, primers come in the field of molecular biology as hybridisation probes, primers compressed in the field of molecular biology as hybridisation probes, primers compressed in the field of molecular biology as hybridisation probes, primers compressed for protein, or in generation of anti-sense DNA or RNA. The protein of protein in diagnostics as expressed sequence tags complying expressed genes or for physical mapping of the numan genome. The proteins may be used as molecular weight markers, or as contritional sources or supplements. The proteins may be used as molecular weight markers, or as contritional sources or supplements. The proteins may be used to maintain complying expressed or diseased trisquest, transplantation, and expand cell population in a totipotential or pluripotential state complying expressing damaged or diseased tissues, transplantation, complying expression or the development of bio-sensors. The colymnicleotides and proteins are useful for preventing, treating or complying abertain protein expression or complying abertain and traumatic disorders, non-healing complying abertain and traumatic disorders, non-healing complying abertain and traumatic disorders, non-healing complying abertain and traumatic disorders, allergic polynucleotide sequences of the invention were assembled from ESTs complying a protein and appendict of the printed specification, but was obtained from one or more public databases. Note: The sequence data for this patent did not form at the printed specification, but was obtained from one or more public databases.
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                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 96.6
Matches 144; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 20; SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New isolated polynucleotide, useful in research, diagnostic or therapeutic methods, e.g. preventing or treating disorders involving aberrant protein expression or biological activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-NOV-2000; 2000US-00714936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16-NOV-2001; 2001WO-US042950.
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                                                                                                                                                                                                                                                                                                                                        Sequence 164 AA;
                                                                                                                                                                                                                                                                                                                                                                                  ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (HYSE-) HYSEQ INC
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                                       121
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                                                                                                                                                                                           MGCPRMEPPALLYVLSVSPRKIFILQLVGLVLTYDFTNCDFEKIKAAYLSTISKDLITYM
                                                                                                         SGTKSTEFNNTVSCSNRPHCLTEIQSLTFNPNRRVRSLAKEMFÅMKTKAALAIWCPGYSE
                        TQINATQAMKKRRKKVTTNKCLEQVSQL: 149
                                                                               MGCPRMFPFALLYVLSVSFRKIFILQLVGLVLTYDFTNCDFEKIKAAYLSTISKDLITYM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Goodrich RW; 1
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                                                                                                                                                                                                                                                                          96.6%;
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, Wehrman T, D
                                                                                                                                                                                                                                                       0,
                                                                                                                                                                                                                                                         Score 739; DB 5;
Pred. No. 6.9e-77;
0; Mismatches 5
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Drmanac RT;
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                                                                                                                                                                                                                                                                                                Length 164;
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RESULT 5
AAY97365
ID AAY9
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AC AAY9

AAY97365 standard; protein; 159 AA

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AAY97365

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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                            Matches 139;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence is the protein sequence of human thymic stromal lymphopoistin (TSLP). It was isolated by searching an EST library for sequences similar to the murine TSLP sequence. The protein is involved in the growth and differentiation of B and T cells. It can be used to study processes such as immune regulation, cell proliferation, cell death, cell migration, cell-to-cell interaction and inflammatory responses. The nucleic acid can be used to identify human chromosome 5, to map genes along this chromosome, to identify genes on this chromosome which are associated with diseases, including Gardner syndrome, adenomatous polyposis coli, hereditary desmoid disease, Turcot syndrome and colorectal cancer, and to inhibit or induce B and T cell proliferation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      immune regulation; cell proliferation; cell differentiation; cell cell migration; cell-to-cell interaction; inflammatory response; chromosome 5q21-22; Gardner syndrome; adenomatous polyposis coli; hereditary desmoid disease; Turcot syndrome; colorectal cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New human thymic stromal lymphopoietin stimulating lymphocyte development and
 Supplemental
                                31-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 159 AA;
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N-PSDB; AAA30331.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200029581-A1
                                                             AAY88415;
                                                                                          AAY88415 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 11; Fig 2; 78pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-NOV-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; thymic stromal lymphopoietin; TSLP; B cell maturation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human thymic stromal lymphopoietin (TSLP).
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                                                                                                                                                                                                                                    TEFNNTVSCSNRPHCLTEIQSLTFNPTAGCASLAKEMFAMKTKAALAIWCPGYSETQINA
                                                                                                                                                                      TQAMKKRRKRKVTTNKCLEQVSQL 144
                                                                                                                                                                                                     TOAMKKRRKRKVTTNKCLEOVSOL 149
                                                                                                                                                                                                                                                                 TEFNNTYSCSNRPHCLTEIQSLTFNPNRRVRSLAKEMFAMKTKAALAIWCPGYSETQINA 125
                                                                                                                                                                                                                                                                                              MFPFALLYVLSVSFRKIFILQLVGLVLTYDFTNCDFEKIKAAYLSTISKDLITYMSGTKS
                                                                                                                                                                                                                                                                                                                             MFPFALLYVLSVSFRKIFILQLVGLVLTYDFTNCDFEKIKAAYLSTISKDLITYMSGTKS
                                                                                                                                                                                                                                                                                                                                                              Conservative
human interleukin-B50 amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first
                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    98US-0108452P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99WO-US027069
                                                                                          protein; 159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mckenna H,
                                                                                                                                                                                                                                                                                                                                                                         91.9%; Score 707; DB 3; 96.5%; Pred. No. 3.3e-73;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (TSLP) polypeptide useful for proliferation.
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                                                                                                                                                                                                                                                                                                                                                                                         Length 159
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Human; interleukin-B50; IL-B50; cytokine; haematopoietic inflammation; autoimmune disorder; forensic science.
N-PSDB; AAA15634.
                                               Bazan JF;
                                                                                                             21-SEP-1998;
27-APR-1999;
                                                                                                                                                            20-SEP-1999;
                                                                                                                                                                                            30-MAR-2000
                                                                                                                                                                                                                                                                                                                                                        Homo
                                                                                                                                                                                                                            WO200017362-A1
                                                                                                                                                                                                                                                                           Protein
                                                                                                                                                                                                                                                                                                                        Key
                                                                                                                                                                                                                                                                                                      Peptide
                                                                             (SCHE ) SCHERING
                                                                                                                                                                                                                                                                                                                                                      sapiens.
               2000-283587/24.
                                                                                                             98US-00157749.
99US-0131298P.
                                                                                                                                                              99WO-US020871.
                                                                                                                                                                                                                                                                       1. .28
/label= Signal_peptide
29. .159
                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                               CORP
                                                                                                                                                                                                                                                          /label= IL-B50
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New human interleukin (IL)-B50 nucleic and for the production of IL-B50 which development of hematopoietic cells. acid, useful in forensic science plays a role in the regulation or

Claim 18; Page 11; 79pp; English

This sequence represents a human interleukin-B50 (II-B50) amino acid consequence. II-B50 is a short chain cytokine and has significant structural conditions of the present stimulatory or inhibitory effect on haematopoietic cells. The present conspression vector comprising the II-B50 encoding nucleotide sequence, constraining the expression vector, and a method for the contraining the expression vector, and a method for the conclusion of the antigenic polypeptide through the expression of the moleotide sequence. Nucleotide sequences encoding II-B50 may be useful conflicted sequence. Nucleotide sequences encoding II-B50 may be useful conflicted sequence. II-B50 plays a role in the regulation or development conflicted as fact twascular physiology or development, or neuronal effects. II may affect vascular physiology or development, or neuronal effects. II capanism in the treatment of conditions associated with abnormal consequence in the treatment of conditions associated with abnormal consequence in in vitro tests for the presence or absence of interacting components, which may correlate with the success of components, which may treatment strategies

Sequence 159 AA;

Similarity

91.9%;

Length 159;

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                                                                                                                 Query Match
Best Local S
Matches 139
                   126
121
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                                                                           TQAMKKRRKKKVTTNKCLEQVSQL 149
                                                   TBFNNTVSCSNRPHCLTBIQSLTFNPNRRVRSLAKEMFAMKTKAALAIWCPGYSETQINA
                                       TEFNNTVSCSNRPHCLTEIQSLTFNPTAGCASLAKEMFAMKTKAALAIWCPGYSETQINA
 TOAMKKRRKRKVTTNKCLEQVSQL 144
                                                                                                                   Conservative
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                                                                                                                   Score 707; DB 3;
Pred. No. 3.3e-73;
0; Mismatches 5;
                                                                                                                    Indels
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RESULT 7
ABP7263
ID ABP7263
ID ABP7263
ID ABP7263
XX ABP7
XX ABP7
XX ABP7
XX ABP7
XX ABP7
XX Prim
XX Prim
XX Prim
XX Prim
XX Prim
XX Prim
XX Homo
XX H
             The present sequence is the protein sequence of primate (surmised human) CC IL-B50. The invention is based on the discovery that human IL-B50 is a CC combination of human il-78alpha (see ABP72261) and human Redlta2 (see ABP72262), which together form a novel haematopoietic cytokine receptor. Both receptor subunits are present on macrophages and dendritic cells, cindicating functions provided by those cell types. The invention provides methods of producing the ligand: receptor complex, of modulating the cophysiology or development of an IL-78alpha or Rdelta2 expressing cell using an agonist or antagonist of IL-B50, of modulating a signal to a ccell mediated by IL-B50, of selectively labelling a population of cells, and of testing a compound for ability to affect receptor-ligand complexus, induces dendritic cells to produce chemokines TARC, PARC and MDC, and strongly promotes the capacity of dendritic cells to induce naive T-cells to proliferate and to produce chemokines TARC, PARC and CC cell function in treating cancers and infectious diseases, while Il-B50 antagonists may be used to block the function of dendritic cells in treating autoimmune diseases, allergic diseases, while Il-B50 caph antagonists and of transplant rejection. The elucidation of IL-B50 receptor colls in these therapies. The dendritic cell expression of IL-B70 receptor subunits allows for the identification of IL-B50 agonists and antagonists and subcience and indicates the capacity of dendritic cells to receptor subunits allows for the identification of IL-B50 agonists and antagonists and subcience and indication of IL-B50 receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          producing a ligand:receptor complex, useful for affecting mammalian physiology, including hematopoietic cell proliferation or immune system function, comprises contacting IL-B50 with IL-7Ralpha or Rdelta2 subunit
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14-JUN-2001; 2001US-0298268P
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DB; ABZ58385.
indicates a role for
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Matches 139;
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                                                                     (TSLP) protein and polynucleotide sequences. TSLP protein is useful for stimulating lymphocyte proliferation of lymphopoiesis, or inducing STATS. TSLP DNA is useful for producing a furin-resistant polypeptide having at least one functional human TSLP activity. The invention is useful in the manufacture of a medicament for stimulating lymphocyte proliferation, for promoting lymphopoiesis, or for inducing phosphorylation of STATS. It is also useful as a vaccine for treating AIDS, autolimune diseases (e.g. transplant rejection), or becterial or viral infections. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-AUG-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Thymic stromal lymphopoietin; TSLP; lymphopoiesis; STAT5; antibacterial; furin-resistant protein; lymphocyte; vaccine; AIDS; autoimmune disease; transplant rejection; infection; immunosuppressive; immunostimulant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human thymic stromal lymphopoietin
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                                                                                                                                                                                                                                                                                                                                                                                                                            New modified human thymic stromal lymphopoietin (TSLP) polynucleotide, useful for stimulating lymphocyte prollymphopoiesis, particularly as a vaccine for treating of the strong of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      virucide;
                                                  sequence is human TSLP protein
                                                                                                                                                                                                                                                                                                                                                 Claim 10; Page 40-41; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                      autoimmune diseases.
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                                                                                                                                                                                                                                                                                      The invention relates to modified human thymic stromal lymphopoietin
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96.5%;
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No. 3.3e-73;
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Sequence 159 AA;

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RESULT 9
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The invention relates to the human interleukin-B50 (IL-B50) polypeptide and the polynucleotide encoding it. The polypeptide is useful for making an antigenic polypeptide. The antigenic polypeptide is useful for binding an antigen complex. The polypeptide is useful for binding an antigen complex. The polypeptide is also useful in forensic sciences to distinguish rodent from human, or as a marker for distinguishing between different cells exhibiting differential expression or modification patterns. The sequences are useful for treating abnormal medical conditions such as immuno disorders e.g. T cell immunodeficiencies, chronic inflammation or tissue rejection, or cardiovascular or neurophysiological conditions. This sequence represents a human IL-B50
                                                                                                                                                                                                                                                                                                                                                                                                                               Novel isolated or recombinant polynucleotide encoding antigenic human interleukin-B50 sequence which is useful for treating T cell immunodeficiencies, chronic inflammation or tissue rejection, or
                                                                                                                                                                                                                                                                                                                                           Claim 16; SEQ ID NO 4; 54pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bazan JF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-SEP-1998;
27-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       chronic inflammation; tissue rejection; cardiovascular condition; neurophysiological condition; antiinflammatory; immunosuppressive;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD05353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD05353 standard;
                                                                                                                                                                                                                                                                                                                                                                                                     cardiovascular conditions.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-SEP-2001; 2001US-00963347
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human interleukin-B50 (IL-B50) polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (BAZA/) BAZAN J F.
(MALE/) DE WAAL MALEFYT
(LIUY/) LIU Y.
(SOUM/) SOUMELIS V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immunostimulant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2003-777307/73.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 interleukin-B50; IL-B50; immune disorder; T cell immunodeficiency;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              μ
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Similarity 96.5%;
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99US-00399492.
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Pred. No. 3.3e-73;
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Matches 139; Conserv
                                                                                                                                                                                                                                                                                                   The present invention provides a novel human lymphokine-JY1 protein (ADF29182) and its coding sequence (ADF29181). JY1 protein is a homogeneous molecule of TSLP. The invention also discloses the application of the JY1 protein coding sequence, and also discloses the method for curing several diseases (such as tumour, inflammation and immunological system diseases) by using the JY1 protein receptor.
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                                                                                                                                                                                                                                                           Sequence 159 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 20; 30pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human lymphokine,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N-PSDB; ADF29181
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  66 TEFNNTVSCSNRPHCLTEIQSLTFNPNRRVRSLAKEMFAMKTKAALAIWCPGYSETQINA 125
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Pred. No. 3
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Pred. No. 3.3e-73;
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3.3e-73;
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                                                                                                    Query Match
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Matches 139
                                                                                                                                                                                                                                                                          The invention relates to a novel method of modulating antigen presenting cell (APC) priming of a T-cell by contacting the APC with an agonist or antagonist of thymic stromal lymphopoietrin (TSLP)/interleukin (IL)-50 or TSLP/IL-50 receptor (TSLP/IL-50R). The method of the invention has antiinflammatory, antipsoriatic, antiarthritic, antiasthmatic, respiratory-gen., and immunostimulant activity. The method may have a use in gene therapy. The method is useful in modulating dendritic cell activity using agonists or antagonists of a mammalian cytokine, or in treating immune or inflammatory disorders such as psoriasis, psoriatic arthritis, asthma, chronic obstructive pulmonary disorder (COPD) or an immunodeficiency resulting from cytoablation or viral infection. The present sequence represents the human thymic stromal lymphopoietin of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antigen presenting cell; APC; T-cell; thymic stromal lyninterloukin-50; II-50; receptor; antiinflammatory; antiinterthritic; antiasthmatic; respiratory-gen; immunosigene therapy; dendritic cell activity; immune disorder; inflammatory disorder; psoriasis; psoriatic arthritis; inflammatory disorder; psoriatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Modulating antigen presenting cell (APC) priming of a T-cell, useful for e.g. asthma, comprises contacting the APC with an agonist or antagonist of thymic stromal lymphopoietin (TSLP)/interleukin (IL)-50 or TSLP/IL-50
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27-APR-1999;
20-SEP-1999;
25-SEP-2001; 20
                                                                                                              Novel isolated or recombinant polynucleotide such as cytokine e.g., II-B50 useful for producing an antigenic polypeptide, for treating T cell immune deficiencies, chronic inflammation, tissue rejection or cardiovascular conditions.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human IL-B50 protein #2.
The invention relates to polynucleotide encoding cytokine interleukin-B50 ({
m IL}-B50). The polynucleotide and polypeptide of the invention are useful
                                                                      Claim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Thymic stromal lymphopoietin: TSLP; lymphopoiesis; STAT5; antibacterial; furin-resistant protein; lymphocyte; vaccine; AIDS; autoimmune disease; transplant rejection; infection; immunosuppressive; immunostimulant; virucide; human; mutant; mutein.
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                                                                                                                                      New modified human thymic stromal lymphopoietin (TSLP) protein and polynucleotide, useful for stimulating lymphocyte proliferation of lymphopoiesis, particularly as a vaccine for treating e.g. AIDS or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2003032898-A2
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                                                                                                                  autoimmune diseases.
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The invention relates to

modified human thymic stromal lymphopoietin

New modified human thymic stromal lymphopoietin (TSLP) protein

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Claim 11; Page

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RESULT 14
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Synthetic.
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Matches 136;
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                                                                                                                                                                                                                                    Sequence 159
                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 11; Page 44; 52pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New modified human thymic stromal lymphopoietin (TSLP) protein and polynucleotide, useful for stimulating lymphocyte proliferation of lymphopoiesis, particularly as a vaccine for treating e.g. AIDS or
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